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U. S. Department of Agriculture - Forest Service
CENTRAL STATES FOREST EXPERIMENT STATION
Columbus, Ohio

Station Note
No. 11

April 17, 1934

A BLACK LOCUST VOLUME TABLE FOR CONTENTS IN MERCHANTABLE CUBIC FEET

Plantation BLACK LOCUST
(Robinia pseudoacacia, Linn)
Central Hardwood Region

Merchantable Stem with bark - Cubic feet 4" Top D.O.B.

L. F. Kellogg 1934

Diameter Breast High (o.b.) Inches	Total Height in Feet: 20	30	40	50	60	70	80	90	Basis No. of Trees
	Volume in Cubic Feet								
4	0.26	0.36	0.44	0.52					34
5	0.56	1.08	1.58	2.00	2.40				44
6	0.90	1.93	2.84	3.58	4.30				29
7	1.34	2.90	4.20	5.30	6.30	7.20			30
8		4.00	5.80	7.30	8.60	10.00	11.20		21
9		5.10	7.50	9.40	11.00	12.70	14.40		39
10		6.30	9.30	11.50	13.70	15.80	17.80	20.00	26
11			11.30	14.20	16.70	19.30	21.70	24.50	24
12			13.50	17.00	20.00	23.10	26.00	29.40	9
13				19.70	23.20	26.80	30.10	34.00	11
14				23.00	27.00	31.00	35.00	39.50	5
15					31.10	35.90	40.60	46.00	2
16					35.20	40.80	46.10	53.00	5
17					39.50	46.00	53.00	62.00	5
18					45.00	53.00	62.00	72.00	3
19					51.00	61.00	70.00	82.00	3
20					58.00	68.00	80.00	93.00	--
Basis: No. of Trees	15	37	69	60	36	41	30	2	290

Trees measured by Central States Forest Experiment Station in Indiana, Illinois, and Ohio. Stump height 1.0 ft. Top diameter 4.0" d.o.b. Volume measured by planimeter. Aggregate deviation: Chart 0.66% low. Average percentage deviation on 283 trees, 9.5%. Block indicates extent of basic data. Prepared by the alinement chart method.

This is the fourth of several volume tables for plantation black locust. As other tables are completed, they will be issued immediately in this form in order to avoid delay in making them available for use.